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CC	Fragment is 1 of 24 probe gene fragments (AAS05201-AAS05242) from various Mycobacterial species. These probe gene fragments can be used in the diagnosis and identification of mycobacterium species using a novel PCR-restriction fragment length polymorphism analysis (RFLP) method. The method comprises obtaining a restriction fragment length polymorphism (RFLP) pattern of the 24 probe gene fragments; isolating and amplifying and digesting the DNA fragment from the microorganism; identifying and comparing the RFLP patterns from the known probe gene fragments with the unidentified fragment. The probe gene fragments are useful to identify a wide range of mycobacterium species, including those diagnostic or to obtain epidemiological and pathogenesis information for selection of appropriate therapies, including M. tuberculosis, M. bovis and non-tuberculous mycobacteria (NTM) encountered in subjects infected with human immunodeficiency virus (HIV). Analysis of the probe gene fragments is rapid, precise, simple and cost effective (only 1 µg required), and can differentiate between many species in a single experiment, including those difficult to distinguish by usual biochemical tests. Also described are oligonucleotide probes (AAS05227-AAS 5242) for detecting specific mycobacterial species.
XX	Sequence: 205 bp; 44 A; 69 C; 67 G; 25 T; 0 other;
SSQ	
Query Match:	100.0%; Score: 20; DB: 22; Length: 205;
Best Local Similarity:	100.0%; Field No.: 12;
Matches:	20; Conservation: 0; MisMatch: 0; Indels: 0; Gaps:
XY	1 GAGGACGACGACGGGAGGAA TTTTTTTTTTTTTTTTTTT 108 GAGCGGTGAGGAGGAGA 129
DB	
RESUL1 4	
AAS05204	
ID	AAS05204 standard; DNA: 207 bp.
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NC	AAS05204;
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D1	07 SEP 2001 (first entry)
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DE	Mycobacterium goodii type IV rpoB gene fragment.
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KW	Non-tuberculous mycobacterial probe gene fragment, NBT; HCV: PBA: S1131; PCR-restriction fragment length polymorphism analysis: ds.
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OS	Mycobacterium goodii type IV.
XX	
PN	W0200131051-AL.
PD	06-MAY-2001.
PF	27-0CT-2000; Z000WW-KR-1258.
PK	27-0CT-1999; 99KR-041056.
FA	{BSM} EPDPE B101E06-011B.
XX	
E1	Lee W, Park YS, Park J, Kim S, Cho S, Kim Y, Park HJ.
XX	RPL1: 2001-000520/31.
UR	
PT	New DNA fragments from the rpoB gene of mycobacterial species for diagnosis and identification of many mycobacterial species by restriction fragment length polymorphism
XX	Claim 1; Page 41; Supp: English.
XX	
OC	The present sequence for Mycobacterium goodii type IV rpoB gene fragment is 1 of 24 probe gene fragments (AAS05201-AAS05242) from various Mycobacterial species. These probe gene fragments can be used in the diagnosis and identification of mycobacterium species using a novel PCR-restriction fragment length polymorphism analysis (RFLP) method. The method comprises obtaining a restriction fragment length polymorphism (RFLP) pattern of the 24 probe gene fragments; isolating and amplifying and digesting the DNA fragment from the microorganism; identifying and comparing the RFLP patterns from the known probe gene fragments with the unidentified fragment. The probe gene fragments are useful to identify a wide range of mycobacterium species, including those diagnostic or to obtain epidemiological and pathogenesis information for selection of appropriate therapies, including M. tuberculosis, M. bovis and non-tuberculous mycobacteria (NTM) encountered in subjects infected with human immunodeficiency virus (HIV). Analysis of the probe gene fragments is rapid, precise, simple and cost effective (only 1 µg required), and can differentiate between many species in a single experiment, including those difficult to distinguish by usual biochemical tests. Also described are oligonucleotide probes (AAS05227-AAS 5242) for detecting specific mycobacterial species.

XX The present sequence for Mycobacterium species oligonucleotide
XX probe TBM MYC can be used to detect all mycobacterial species. It is
XX listed in oligonucleotide probes (AA05227-AA05242) that can be used to
XX detect specific mycobacterial species. The probes are described in an
XX invention relating to the use of rpoB gene fragments (AA05201-AA05224)
XX in various mycobacterial species. These rpoB gene fragments can be used
XX in the diagnosis and identification of Mycobacterium species using a
XX nested PCR restriction fragment length polymorphism analysis (PRA)
XX method. The method comprises obtaining a restriction fragment length
XX polymorphism (RFLP) pattern of the 24 rpoB gene fragments, isolating,
XX amplifying and digesting the DNA fragment from the microorganism to
XX be identified and comparing the RFLP patterns from the known rpoB gene
XX fragments with the unidentified fragment. The rpoB gene fragments
XX are useful to identify a wide range of Mycobacterium species, e.g. for
XX diagnosis or to obtain epidemiological and pathogenesis information for
XX selection of appropriate therapies, including M. tuberculosis, M. leprae
XX and non-tuberculous mycobacteria (NTM) encountered in subjects infected
XX with human immunodeficiency virus (HIV). Analysis of the rpoB gene
XX fragments is rapid, precise, simple and cost effective (only 1 PCR
XX required), and can differentiate between many species in a single
XX experiment, including those difficult to distinguish by usual biochemical
XX tests.

XX Sequence: 20 BP; 4 A; 8 C; 5 G; 3 T; 0 other;

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XX Score Match 100.0%; Score 20; DB 22; Length 20;
XX best hit Similarity 100.0%; Prod. No. 14;
XX Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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XX Y GWATGCTGCACCATCGA 20
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XX Y GWATGCTGCACCATCGA 20

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XX (first entry)

XX Multiple alignment intracellular rpoB gene fragment.

XX N to conservative mycobacteria; rpoB gene fragment; NTM; HIV; PRA; RFLP;
XX PCR restriction fragment length polymorphism analysis; DS.

XX Mycobacterium intracellulare.

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XX Mycobacterium intracellulare.

XX WATGCTGCACCATCGA 20
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[illegible][illegible]

00 The present sequence for Mycobacterium tuberculosis (H37Rv) is 1 of 24 rpoB gene fragments (AAS06241-AAS06242) from
 01 various Mycobacterium species. These rpoB gene fragments can be used
 02 for diagnosis and identification of Mycobacterium species using a
 03 PCR-restriction fragment length polymorphism analysis (RFLP-
 04 RFLP). The method comprises obtaining a restriction fragment length
 05 polymorphism (RFLP) pattern of the 24 rpoB gene fragments; isolating,
 06 amplifying and digesting the DNA fragment from the microorganism to
 07 fragments with the unidentified fragment. The rpoB gene fragments
 08 are useful to identify a wide range of Mycobacterium species, e.g. for
 09 diagnosis or to obtain epidemiological and pathogenesis information for
 10 selection of appropriate therapies, including M. tuberculosis, M. leprae
 11 and nontuberculous mycobacteria (NTM) encountered in subjects infected
 12 with human immunodeficiency virus (HIV). Analysis of the rpoB gene
 13 fragments is rapid, precise, simple and cost effective (only 1 PCR
 14 required), and can differentiate between many species in a single
 15 experiment, including those difficult to distinguish by usual biochemical
 16 tests. Also described are oligonucleotide probes (AAS06227-AAS06242) for
 17 detecting specific Mycobacterium species.

XX Sequence: 211 BP; 49 A; 65 C; 70 G; 27 T; 0 other;
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00 polymorphism (RFLP) pattern of the 24 rpoB gene fragments (AAS06241-
 01 AAS06242) from the rpoB gene fragments from the microorganism
 02 be identified and compared the RFLP patterns from the known rpoB gene
 03 fragments with the unidentified fragment. The rpoB gene fragments
 04 are useful to identify a wide range of Mycobacterium species, e.g. for
 05 diagnosis or to obtain epidemiological and pathogenesis information for
 06 selection of appropriate therapies, including M. tuberculosis, M. leprae
 07 and nontuberculous mycobacteria (NTM) encountered in subjects infected
 08 with human immunodeficiency virus (HIV). Analysis of the rpoB gene
 09 fragments is rapid, precise, simple and cost effective (only 1 PCR
 10 required), and can differentiate between many species in a single
 11 experiment, including those difficult to distinguish by usual biochemical
 12 tests. Also described are oligonucleotide probes (AAS06227-AAS06242) for
 13 detecting specific Mycobacterium species.

XX Sequence: 211 BP; 49 A; 65 C; 70 G; 27 T; 0 other;
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Table 1. Demographic characteristics of study population

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in YEA medium at 28°C for 24 h. The cell concentration was adjusted to 10⁸ cells/ml. The cells were then mixed with the plant tissue and the transformation efficiency was determined. The results are shown in Table 1.

$\mathcal{C} = \{C_1, \dots, C_n\}$ is a \mathcal{C} -partition of S if and only if \mathcal{C} is a partition of S and $\mathcal{C} \in \mathcal{C}_S$.

[illegible]

1. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

[illegible][illegible][illegible]

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	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2
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[illegible]

表 1	
年 度	人 数
1980	1,000
1981	1,000
1982	1,000
1983	1,000
1984	1,000
1985	1,000
1986	1,000
1987	1,000
1988	1,000
1989	1,000
1990	1,000
1991	1,000
1992	1,000
1993	1,000
1994	1,000
1995	1,000
1996	1,000
1997	1,000
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2011	1,000
2012	1,000
2013	1,000
2014	1,000
2015	1,000
2016	1,000
2017	1,000
2018	1,000
2019	1,000
2020	1,000
2021	1,000
2022	1,000
2023	1,000
2024	1,000
2025	1,000
2026	1,000
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2028	1,000
2029	1,000
2030	1,000
2031	1,000
2032	1,000
2033	1,000
2034	1,000
2035	1,000
2036	1,000
2037	1,000
2038	1,000
2039	1,000
2040	1,000
2041	1,000
2042	1,000
2043	1,000
2044	1,000
2045	1,000
2046	1,000
2047	1,000
2048	1,000
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2064	1,000
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2066	1,000
2067	1,000
2068	1,000
2069	1,000
2070	1,000
2071	1,000
2072	1,000
2073	1,000
2074	1,000
2075	1,000
2076	1,000
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2079	1,000
2080	1,000
2081	1,000
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2083	1,000
2084	1,000
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2086	1,000
2087	1,000
2088	1,000
2089	1,000
2090	1,000
2091	1,000
2092	1,000
2093	1,000
2094	1,000
2095	1,000
2096	1,000
2097	1,000
2098	1,000
2099	1,000
2100	1,000

[illegible]

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (n = 10) and the experimental group (n = 10). The control group received a standard diet (SD) and the experimental group received a high-fat diet (HFD). The subjects were divided into two groups: the control group (n = 10) and the experimental group (n = 10). The control group received a standard diet (SD) and the experimental group received a high-fat diet (HFD). The subjects were divided into two groups: the control group (n = 10) and the experimental group (n = 10). The control group received a standard diet (SD) and the experimental group received a high-fat diet (HFD).

項目	単位	数値
総人口	人	1,234,567
男性人口	人	612,345
女性人口	人	622,222
総世帯数	世帯	234,567
男性世帯数	世帯	112,345
女性世帯数	世帯	122,222
総就業人口	人	567,890
男性就業人口	人	289,012
女性就業人口	人	278,878
総所得	円	123,456,789
男性所得	円	61,234,567
女性所得	円	62,222,222
総消費	円	98,765,432
男性消費	円	49,876,543
女性消費	円	48,888,889
総貯蓄	円	24,691,357
男性貯蓄	円	12,345,678
女性貯蓄	円	12,345,679

[illegible]

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2
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Table 1		Table 2	
Year	Rate	Year	Rate
1990	1.2	1990	1.2
1991	1.3	1991	1.3
1992	1.4	1992	1.4
1993	1.5	1993	1.5
1994	1.6	1994	1.6
1995	1.7	1995	1.7
1996	1.8	1996	1.8
1997	1.9	1997	1.9
1998	2.0	1998	2.0
1999	2.1	1999	2.1
2000	2.2	2000	2.2
2001	2.3	2001	2.3
2002	2.4	2002	2.4
2003	2.5	2003	2.5
2004	2.6	2004	2.6
2005	2.7	2005	2.7
2006	2.8	2006	2.8
2007	2.9	2007	2.9
2008	3.0	2008	3.0
2009	3.1	2009	3.1
2010	3.2	2010	3.2
2011	3.3	2011	3.3
2012	3.4	2012	3.4
2013	3.5	2013	3.5
2014	3.6	2014	3.6
2015	3.7	2015	3.7
2016	3.8	2016	3.8
2017	3.9	2017	3.9
2018	4.0	2018	4.0
2019	4.1	2019	4.1
2020	4.2	2020	4.2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)
Algeria	1980	10.5	4.5	42.9
Algeria	1985	11.5	5.5	47.8
Algeria	1990	12.5	6.5	51.6
Algeria	1995	13.5	7.5	55.5
Algeria	2000	14.5	8.5	58.6
Algeria	2005	15.5	9.5	61.3
Algeria	2010	16.5	10.5	63.6
Algeria	2015	17.5	11.5	65.7
Algeria	2020	18.5	12.5	67.6
Algeria	2025	19.5	13.5	69.2
Algeria	2030	20.5	14.5	70.7
Algeria	2035	21.5	15.5	72.1
Algeria	2040	22.5	16.5	73.3
Algeria	2045	23.5	17.5	74.5
Algeria	2050	24.5	18.5	75.5
Algeria	2055	25.5	19.5	76.5
Algeria	2060	26.5	20.5	77.4
Algeria	2065	27.5	21.5	78.2
Algeria	2070	28.5	22.5	78.9
Algeria	2075	29.5	23.5	79.7
Algeria	2080	30.5	24.5	80.3
Algeria	2085	31.5	25.5	81.0
Algeria	2090	32.5	26.5	81.6
Algeria	2095	33.5	27.5	82.1
Algeria	2100	34.5	28.5	82.6

1. *Chlorophyll a* (Chl *a*)
 2. *Chlorophyll b* (Chl *b*)
 3. *Chlorophyll c* (Chl *c*)
 4. *Chlorophyll d* (Chl *d*)
 5. *Chlorophyll e* (Chl *e*)
 6. *Chlorophyll f* (Chl *f*)
 7. *Chlorophyll g* (Chl *g*)
 8. *Chlorophyll h* (Chl *h*)
 9. *Chlorophyll i* (Chl *i*)
 10. *Chlorophyll j* (Chl *j*)
 11. *Chlorophyll k* (Chl *k*)
 12. *Chlorophyll l* (Chl *l*)
 13. *Chlorophyll m* (Chl *m*)
 14. *Chlorophyll n* (Chl *n*)
 15. *Chlorophyll o* (Chl *o*)
 16. *Chlorophyll p* (Chl *p*)
 17. *Chlorophyll q* (Chl *q*)
 18. *Chlorophyll r* (Chl *r*)
 19. *Chlorophyll s* (Chl *s*)
 20. *Chlorophyll t* (Chl *t*)
 21. *Chlorophyll u* (Chl *u*)
 22. *Chlorophyll v* (Chl *v*)
 23. *Chlorophyll w* (Chl *w*)
 24. *Chlorophyll x* (Chl *x*)
 25. *Chlorophyll y* (Chl *y*)
 26. *Chlorophyll z* (Chl *z*)
 27. *Chlorophyll aa* (Chl *aa*)
 28. *Chlorophyll ab* (Chl *ab*)
 29. *Chlorophyll ac* (Chl *ac*)
 30. *Chlorophyll ad* (Chl *ad*)
 31. *Chlorophyll ae* (Chl *ae*)
 32. *Chlorophyll af* (Chl *af*)
 33. *Chlorophyll ag* (Chl *ag*)
 34. *Chlorophyll ah* (Chl *ah*)
 35. *Chlorophyll ai* (Chl *ai*)
 36. *Chlorophyll aj* (Chl *aj*)
 37. *Chlorophyll ak* (Chl *ak*)
 38. *Chlorophyll al* (Chl *al*)
 39. *Chlorophyll am* (Chl *am*)
 40. *Chlorophyll an* (Chl *an*)
 41. *Chlorophyll ao* (Chl *ao*)
 42. *Chlorophyll ap* (Chl *ap*)
 43. *Chlorophyll aq* (Chl *aq*)
 44. *Chlorophyll ar* (Chl *ar*)
 45. *Chlorophyll as* (Chl *as*)
 46. *Chlorophyll at* (Chl *at*)
 47. *Chlorophyll au* (Chl *au*)
 48. *Chlorophyll av* (Chl *av*)
 49. *Chlorophyll aw* (Chl *aw*)
 50. *Chlorophyll ax* (Chl *ax*)
 51. *Chlorophyll ay* (Chl *ay*)
 52. *Chlorophyll az* (Chl *az*)
 53. *Chlorophyll aza* (Chl *aza*)
 54. *Chlorophyll abz* (Chl *abz*)
 55. *Chlorophyll acz* (Chl *acz*)
 56. *Chlorophyll adz* (Chl *adz*)
 57. *Chlorophyll aez* (Chl *aez*)
 58. *Chlorophyll afz* (Chl *afz*)
 59. *Chlorophyll agz* (Chl *agz*)
 60. *Chlorophyll ahz* (Chl *ahz*)
 61. *Chlorophyll aiz* (Chl *aiz*)
 62. *Chlorophyll ajz* (Chl *ajz*)
 63. *Chlorophyll akz* (Chl *akz*)
 64. *Chlorophyll alz* (Chl *alz*)
 65. *Chlorophyll amz* (Chl *amz*)
 66. *Chlorophyll anz* (Chl *anz*)
 67. *Chlorophyll aoz* (Chl *aoz*)
 68. *Chlorophyll apz* (Chl *apz*)
 69. *Chlorophyll aqz* (Chl *aqz*)
 70. *Chlorophyll arz* (Chl *arz*)
 71. *Chlorophyll asz* (Chl *asz*)
 72. *Chlorophyll atz* (Chl *atz*)
 73. *Chlorophyll auz* (Chl *auz*)
 74. *Chlorophyll avz* (Chl *avz*)
 75. *Chlorophyll awz* (Chl *awz*)
 76. *Chlorophyll axz* (Chl *axz*)
 77. *Chlorophyll ayz* (Chl *ayz*)
 78. *Chlorophyll ayz* (Chl *ayz*)
 79. *Chlorophyll azz* (Chl *azz*)
 80. *Chlorophyll azaa* (Chl *aza*)
 81. *Chlorophyll abz* (Chl *abz*)
 82. *Chlorophyll acz* (Chl *acz*)
 83. *Chlorophyll adz* (Chl *adz*)
 84. *Chlorophyll aez* (Chl *aez*)
 85. *Chlorophyll afz* (Chl *afz*)
 86. *Chlorophyll agz* (Chl *agz*)
 87. *Chlorophyll ahz* (Chl *ahz*)
 88. *Chlorophyll aiz* (Chl *aiz*)
 89. *Chlorophyll ajz* (Chl *ajz*)
 90. *Chlorophyll akz* (Chl *akz*)
 91. *Chlorophyll alz* (Chl *alz*)
 92. *Chlorophyll amz* (Chl *amz*)
 93. *Chlorophyll anz* (Chl *anz*)
 94. *Chlorophyll aoz* (Chl *aoz*)
 95. *Chlorophyll apz* (Chl *apz*)
 96. *Chlorophyll aqz* (Chl *aqz*)
 97. *Chlorophyll arz* (Chl *arz*)
 98. *Chlorophyll asz* (Chl *asz*)
 99. *Chlorophyll atz* (Chl *atz*)
 100. *Chlorophyll auz* (Chl *auz*)
 101. *Chlorophyll avz* (Chl *avz*)
 102. *Chlorophyll awz* (Chl *awz*)
 103. *Chlorophyll axz* (Chl *axz*)
 104. *Chlorophyll ayz* (Chl *ayz*)
 105. *Chlorophyll ayz* (Chl *ayz*)
 106. *Chlorophyll ayz* (Chl *ayz*)
 107. *Chlorophyll ayz* (Chl *ayz*)
 108. *Chlorophyll ayz* (Chl *ayz*)
 109. *Chlorophyll ayz* (Chl *ayz*)
 110. *Chlorophyll ayz* (Chl *ayz*)
 111. *Chlorophyll ayz* (Chl *ayz*)
 112. *Chlorophyll ayz* (Chl *ayz*)
 113. *Chlorophyll ayz* (Chl *ayz*)
 114. *Chlorophyll ayz* (Chl *ayz*)
 115. *Chlorophyll ayz* (Chl *ayz*)
 116. *Chlorophyll ayz* (Chl *ayz*)
 117. *Chlorophyll ayz* (Chl *ayz*)
 118. *Chlorophyll ayz* (Chl *ayz*)
 119. *Chlorophyll ayz* (Chl *ayz*)
 120. *Chlorophyll ayz* (Chl *ayz*)
 121. *Chlorophyll ayz* (Chl *ayz*)
 122. *Chlorophyll ayz* (Chl *ayz*)
 123. *Chlorophyll ayz* (Chl *ayz*)
 124. *Chlorophyll ayz* (Chl *ayz*)
 125. *Chlorophyll ayz* (Chl *ayz*)
 126. *Chlorophyll ayz* (Chl *ayz*)
 127. *Chlorophyll ayz* (Chl *ayz*)
 128. *Chlorophyll ayz* (Chl *ayz*)
 129. *Chlorophyll ayz* (Chl *ayz*)
 130. *Chlorophyll ayz* (Chl *ayz*)
 131. *Chlorophyll ayz* (Chl *ayz*)
 132. *Chlorophyll ayz* (Chl *ayz*

[illegible][illegible]

Year	Rate	Rate
1990	10.0	10.0
1991	10.0	10.0
1992	10.0	10.0
1993	10.0	10.0
1994	10.0	10.0
1995	10.0	10.0
1996	10.0	10.0
1997	10.0	10.0
1998	10.0	10.0
1999	10.0	10.0
2000	10.0	10.0
2001	10.0	10.0
2002	10.0	10.0
2003	10.0	10.0
2004	10.0	10.0
2005	10.0	10.0
2006	10.0	10.0
2007	10.0	10.0
2008	10.0	10.0
2009	10.0	10.0
2010	10.0	10.0
2011	10.0	10.0
2012	10.0	10.0
2013	10.0	10.0
2014	10.0	10.0
2015	10.0	10.0
2016	10.0	10.0
2017	10.0	10.0
2018	10.0	10.0
2019	10.0	10.0
2020	10.0	10.0
2021	10.0	10.0
2022	10.0	10.0
2023	10.0	10.0
2024	10.0	10.0
2025	10.0	10.0
2026	10.0	10.0
2027	10.0	10.0
2028	10.0	10.0
2029	10.0	10.0
2030	10.0	10.0
2031	10.0	10.0
2032	10.0	10.0
2033	10.0	10.0
2034	10.0	10.0
2035	10.0	10.0
2036	10.0	10.0
2037	10.0	10.0
2038	10.0	10.0
2039	10.0	10.0
2040	10.0	10.0
2041	10.0	10.0
2042	10.0	10.0
2043	10.0	10.0
2044	10.0	10.0
2045	10.0	10.0
2046	10.0	10.0
2047	10.0	10.0
2048	10.0	10.0
2049	10.0	10.0
2050	10.0	10.0
2051	10.0	10.0
2052	10.0	10.0
2053	10.0	10.0
2054	10.0	10.0
2055	10.0	10.0
2056	10.0	10.0
2057	10.0	10.0
2058	10.0	10.0
2059	10.0	10.0
2060	10.0	10.0
2061	10.0	10.0
2062	10.0	10.0
2063	10.0	10.0
2064	10.0	10.0
2065	10.0	10.0
2066	10.0	10.0
2067	10.0	10.0
2068	10.0	10.0
2069	10.0	10.0
2070	10.0	10.0
2071	10.0	10.0
2072	10.0	10.0
2073	10.0	10.0
2074	10.0	10.0
2075	10.0	10.0
2076	10.0	10.0
2077	10.0	10.0
2078	10.0	10.0
2079	10.0	10.0
2080	10.0	10.0
2081	10.0	10.0
2082	10.0	10.0
2083	10.0	10.0
2084	10.0	10.0
2085	10.0	10.0
2086	10.0	10.0
2087	10.0	10.0
2088	10.0	10.0
2089	10.0	10.0
2090	10.0	10.0
2091	10.0	10.0
2092	10.0	10.0
2093	10.0	10.0
2094	10.0	10.0
2095	10.0	10.0
2096	10.0	10.0
2097	10.0	10.0
2098	10.0	10.0
2099	10.0	

[illegible]

biochemical similarity (100%); Pred. No. 127; Mutation #1: conservative (0); Mismatches

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[illegible]

A. A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z. 277

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100